

Minutes of The Regular Meeting Of Jan. 8, 1931.

The meeting was called to order by President Wollaeger.

Mr. Heiman from the local representative of the Jewell Electrical Instrument Company displayed several charts showing the construction of some of their meters.

Mr. Henderson of the same organization gave a short talk on rectifier meters as compared to the thermo-couple type. He also described an oscillator which he had with him. Mr. Henderson extended an invitation to the members of the Club to visit the Jewell factory whenever they happen to be in Chicago.

The minutes of the previous meeting were read and approved.

Mr. Crapo of the program committee announced that the speaker of the meeting two weeks hence would be Mr. Ward who would talk on condensers and capacity.

Mr. Seibel of the publicity committee reported that the local papers had not inserted the ham chatter with which he had furnished them.

Mr. Catel of the membership committee informed the club that the membership was increasing.

Mr. Kurth explained the proceedings of the code class to the visitors of the club.

Mr. Ward of the papers and publications committee had no report.

Mr. Baird told of the forming of a radio club in the Fox River Valley.

Mr. P. Trier of the Curtiss Flying Service mentioned about some of the radio work done in his organization.

Mr. Catel talked on the lining up of the next QSO party as to the date it was to be held and the arrangements thereof.

The Secretary was asked to procure information as to the date of the next visit of the radio inspector.

Mr. Hein and Mr. Behrens both old members of the club were present and said a few words.

Mr. Catel described a few of the incidents regarding his work with the police radio squad cars.

Mr. Barnes told of some of the services that the police radio administered and also of the tremendous task necessary to operate the station.

There being no further business the meeting was adjourned at 9:50 PM.

Respectfully Submitted

E. Woodward
Secretary.

Treasurers report.

Balance brought forward	\$23.85
No disbursements	
Receipts	3.00
Balance on hand	\$26.85

THE MILWAUKEE RADIO AMATEURS CLUB INC.

MINUTES OF THE REGULAR MEETING OF JAN, 15, 1931.

The meeting was called to order by President Wollaeger.
The minutes of the previous meeting were read and approved.
The application blanks for entry into the screen grid tube contest were made available to the members desiring them and the rules of the contest were discussed.

Mr. Wareing made a motion that the President of the Club appoint a committee to judge the awarding of the screen grid tube to the winner of the contest.

Mr. Barnes seconded the motion.

The motion was amended in that the Chairman of the Program Committee was to be the Chairman of the Judges Committee.

Mr. Seibel made a motion to adopt the rules of the contest as they were written.

Mr. Catel seconded the motion.

Quite a bit of discussion took place as to the contest itself.

The Secretary read the names of the members who were eligible to compete in the contest.

Mr. Crapo Chairman of the Program Committee read a communication from ARRL Headquarters regarding the CW versus PHONE transcontinental relay.

Mr. Seibel Chairman of the Publicity Committee announced that the University of Wisconsin Extension Division was starting a daytime radio course. Mr. Seibel also announced that the papers were not printing the ham news.

Mr. Catel Chairman of the Membership Committee had no report.

The President asked for a board of directors meeting after the regular meeting.

Mr. Zander made a motion that the QSO party be held April 25 at the Hotel Pfister.

Mr. Seibel seconded the motion.

A vote was taken and the motion was carried.

Mr. Wareing asked about the topics that could be used as subjects in the screen grid tube contest. It was suggested that anything that pertained to radio communication would be satisfactory.

Mr. Ward Chairman of the papers and publications committee had nothing to report.

Mr. Crapo asked some of the technical intelligentsia of the club about the operation of his receiving antenna.

Mr. Wareing explained the matter fully.

There being no further business the meeting was adjourned at 9:35 PM.

Respectfully Submitted

E. Woodward

Secretary.

Treasurers Report.

Balance brought forward	\$23.85
No disbursements	
Receipts	4.00
Balance on hand	\$30.85

THE MILWAUKEE RADIO AMATEURS CLUB INC.

MINUTES OF THE BOARD OF DIRECTORS MEETING OF JAN, 15, 1931.

A discussion took place as to the ways bettering the Club. A certain visitor was pointed out as raising a disturbance from time to time and a way of quieting him was suggested.

It was agreed upon that the price of admission to the QSO party would be \$2.00 for advanced reservation and \$2.50 for entry at the door.

Mr. Zander was to inquire as to the price and facilities available at the Hotel Pfister.

The QSO party publicity and advertising was discussed.

E. Woodward

Secretary.

THE MILWAUKEE RADIO AMATEURS CLUB INC.

MINUTES OF THE REGULAR MEETING OF JAN, 22, 1931.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

A letter was read from the Supervisor of Radio announcing that examinations would be held in the city at the time of our QSO party.

Mr. Tom Gettleman made application and was admitted to Junior Membership in the Club.

Mr. Zander reported that facilities for our QSO party at the Hotel Pfister were satisfactory for April 25th.

Mr. Crapo Chairman of the Program Committee read the traffic reports for the month.

Mr. Seibel Chairman of the Publicity Committee had no report but announced that the new radio editor of the Journal was a YL.

The President announced that Mr. Paul Trier of the Curtiss Flying Service would talk next week on short wave radio in aircraft.

The floor was then turned over to Mr. Ward who gave a lengthy talk on the theoretical side of condensers.

The Secretary was instructed to notify the Supervisor of Radio as to the date of the QSO party.

There being no further business the meeting was adjourned at 10:00 PM.

Respectfully Submitted

E. Woodward

Secretary.

Treasurers report.

Balance brought forward	\$30.85
Receipts	2.00
Disbursements	4.55
Balance on hand	\$28.30

MINUTES OF THE REGULAR MEETING OF JAN.29.1931.

The meeting was called to order by President Wollaeger.
The roll was called by the Secretary.
The minutes of the previous meeting were read and approved.
There were no reports from the various committee chairmen.
The floor was then turned over to Mr. Paul Trier of the Curtiss.
Flying Service, who gave a very interesting talk on radio navigation
for aircraft and the recent developements thereof.
There being no further business the meeting was adjourned at
9:35 PM.

Respectfully Submitted

E. Woodward
Secretary.

Treasurers Report.

Balance brought forward	\$28.30
Receipts	1.50
No disbursements	
Balance on hand	\$29.80

THE MILWAUKEE RADIO AMATEURS CLUB INC.

MINUTES OF THE REGULAR MEETING OF FEB. 5, 1931.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

Mr. Crapo Chairman of the Program Committee had no report.

Mr. Catel Chairman of the Membership Committee reported that he had three prospects for membership.

Mr. Seibel Chairman of the Publicity Committee reported that the new radio editor of the Journal had at last acknowledged the Ham News that he had submitted and promised more co-operation in the future.

The members were asked as to whether the Clubs subscription to Radio Engineering should be renewed.

Frank R. Moore made application and was admitted to regular membership in the Club.

Mr. Kurth in charge of the code class reported that he intended to advise those desiring information on operators examinations and this this information would be available during the code class before the regular meeting.

Mention was made as to an interference on the 80 meter band and some of the members suggested that it might be a harmonic from a broadcast station.

Mr. Catel read the editorial from the February QST on the use of the lower frequencies and the members became quite enthusiastic about it.

Discussion took place on the use of the lower frequencies and Mr. Zander gave a few illustrations of the antenna systems that could be used for that purpose.

The members decided that the club should renew its subscription to Radio Engineering and five members subscribed with the club in order to take advantage of the special price of one dollar per subscription.

The Secretary was instructed to procure a dozen Amateur Radio Call Books for the members.

There being no further business the meeting was adjourned at 9:40 PM.

Respectfully Submitted

E. Woodward.

Secretary.

Treasurers Report.

Balance brought forward	\$29.80
Receipts	6.25
Disbursements	6.10
Balance on hand	\$29.95

MINUTES OF THE BOARD OF DIRECTORS MEETING OF FEB.5,1931.

Mr. Catel , Mr. Zander and Mr. Wollaeger were appointed as members of the prize committee with Mr. Catel as chairman.

Mr. Seibel was appointed chairman of the entertainment committee and was to select his own committee members.

Mr. Barnes , Mr. Seibel and Mr. Knoff were appointed as members of the publicity committee with Mr. Barnes as chairman.

Mr. Crapo was appointed chairman of the program committee.

Mr. Knoff was appointed Master of Ceremonies.

The circular letter was read which was to be sent to the prospective attendents of the QSO party..

E. Woodward,

Secretary.

THE MILWAUKEE RADIO AMATEURS CLUB INC.

MINUTES OF THE REGULAR MEETING OF FEB. 12, 1931.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read by the Secretary and corrected by Mr. Kurth.

Mr. Seibel Chairman of the Publicity Committee had no report but again asked the Members for news to submit to the local papers.

Mr. Catel Chairman of the Membership Committee had no report and asked that he be relieved of the chairmanship of the membership committee. He was informed that this matter would be taken up with the board of directors at their next meeting.

Mr. Catel reported that prospects for prizes for our QSO party were very good, and that he already had a prize promised from a very prominent manufacturer.

Mr. Crapo Chairman of the Program Committee had no report but notified the members of the date of the next traffic report.

The floor was then turned over to Mr. Kurth who gave a very good talk the passing of the operators examinations, giving some very good points on the written parts.

Discussion took place on the use of the monitor versus receiver for determining the oscillating frequency of a transmitter.

Mention was made of a certain party who was illegally broadcasting on the higher frequencies.

The formation of an interference committee was suggested but due to the fact that there exists practically no amateur interference at the present time the subject was dropped.

There being no further business the meeting was adjourned at 9:40 PM.

Respectfully submitted

E. Woodward.

Secretary.

Treasurers report.

Balance brought forward	\$29.95
Receipts	1.00
No disbursements	
Balance on hand	\$30.95

MINUTES OF THE REGULAR MEETING OF FEBRUARY 19TH, 1931.

The meeting was called to order by President Wollaeger.

In the absence of the regular Secretary, Mr. Seibel acted as Secretary Protem.

Mr. Seibel Chairman of the Publicity Committee had no report.

Mr. Crapo Program Committee Chairman read a report from ARRL Headquarters on methods of keeping up the membership and gave several points for local clubs to adopt in order to do this.

Mr. Crapo also asked for members to apply for ORS appointments if properly equipped.

Mr. Crapo also asked that the members report the reception of signals of various expeditions.

The floor was then turned over to Mr. Catel who addressed the club on the subject of crystals and their uses. This talk was to be considered as a contestants try for the screen grid transmitting tube.

There being no further business the meeting was adjourned at 9:45 PM.

Respectfully submitted

D. Seibel

Secretary Protem.

Treasurers report.

Balance brought forward	\$30.95
No receipts	
Disbursements	8.65
Balance on hand	\$22.30

THE MILWAUKEE RADIO AMATEURS' CLUB INC.

MINUTES OF THE REGULAR MEETING OF FEBRUARY 26TH, 1931.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous two meetings were read and approved.

Mr. Ward Chairman of the Papers and Publications Committee reported on his absence.

Mr. Seibel publicity committee chairman reported that in the future the Milwaukee Journal would be unable to provide any space for our ham news in their publication but that they had offered to grant us time to broadcast it over radio station WTMJ.

Mr. Crapo read the traffic reports.

The floor was then turned over to Mr. F.R. Moore who gave quite a lengthy talk on a combustion indicator a device which indicates the right gasoline mixture to use on an internal combustion engine.

There being no further business the meeting was adjourned at 9:35 PM.

Respectfully submitted.

E. Woodward

Secretary.

Treasurers report

Balance brought forward	\$22.30
Receipts	8.75
No disbursements	
Balance on hand	\$30.05

Fund for QSO party \$6.00

THE MILWAUKEE RADIO AMATEURS' CLUB INC.

MINUTES OF THE BOARD OF DIRECTORS MEETING OF FEBRUARY 26TH, 1931.

Mr. Woodward the Secretary asked that he be allowed to use the Milwaukee Commercial Bank in which to deposit funds of the approaching QSO party in the name of The Milwaukee Radio Amateurs' Club. The board decided that the Secretary would be allowed to keep the funds under his own personal account.

Mr. Catel Chairman of the Membership Committee asked that he be allowed to resign as chairman of his committee, but the board asked that Mr. Catel continue as at present until the end of the club year. Mr. Catel consented to do this.

Respectfully submitted

E. Woodward

Secretary.

MINUTES OF THE REGULAR MEETING OF MARCH 5th, 1931.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

Mr. Crapo Chairman of the Program Committee had no report.

Mr. Kurth stated that he was asked to dispose of some radio equipment of the late Mr. Burt and that anyone interested should get in touch with him.

Mr. Catel reported that he had some more prospects for prizes for the Clubs QSO party.

The floor was then turned over to Mr. Serota who gave a talk on crystals mentioning such points as the different cuts, frequency drift etc.

A low power push pull transmitter built by Mr. Novak was on exhibition and mention was made as to its ability when under the operation of Mr. Wollaeger.

Mr. Wollaeger exhibited a dynatron frequency meter built by himself.

Mr. Crapo asked the technical minded members a few points on cage antennas.

A discussion took place on the theory of sidebands between several of the members.

There being no further business the meeting was adjourned at 9:55 PM.

Respectfully submitted

E. Woodward

Secretary.

Treasurers report.

Balance brought forward	\$31.05
Receipts	1.50
No disbursements	
Balance on hand	\$32.55

Fund for QSO party	\$8.00
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MINUTES OF REGULAR MEETING OF MARCH 12TH, 1931.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

Mention was made as to the small attendance of members and visitors.

Mr. Seibel Chairman of the Publicity Committee reported that he had an appointment with Mr. Ewald of the Wisconsin News, regarding the publicity of Amateur activities.

Mr. Kurth in charge of the code class reported that he would continue the instruction at approximately 10 words per minute.

Mr. Crapo read a communication from headquarters regarding interference and reported that violations were more flagrant than ever.

The meeting was then thrown open to general discussion.

There being no further business the meeting was adjourned at 9:40 PM.

Respectfully submitted

E. Woodward.

Secretary.

Treasurers report.

Balance brought forward \$32.55

No expenses or receipts

Fund for QSO party \$8.00

MINUTES OF THE REGULAR MEETING OF MARCH 19TH, 1931.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

The President read a letter from the Radio Amateur Call Book Company asking the Club to put in a standing order for a dozen Call Books. It was decided not to do this.

Mr. Seibel chairman of the publicity committee reported on his appointment with Mr. Ewald of the Wisconsin News and said that the subject of publicity was indefinite as yet.

Mr. Crapo chairman of the program committee had nothing to report.

Mr. Kurth in charge of the code class had nothing to report.

The floor was then turned over to Mr. Wareing who gave a very interesting talk on the design of power transformers as applied to the amateur.

There being no further business the meeting was adjourned at 10:00 PM.

Respectfully submitted

E. Woodward.

Secretary.

Treasurers report.

Balance brought forward	\$32.55
Receipts	1.00
No disbursements	
Balance on hand	\$33.55

Fund for QSO party	\$4.00
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MINUTES OF THE REGULAR MEETING OF MARCH 26th, 1931.

The meeting was called to order by Vice President Zander in the absence of President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

Mr. Seibel, chairman of the publicity committee had nothing to report.

Mr. Ward, chairman of the papers and publications committee had nothing to report.

Mr. Crapo, chairman of the program committee read the traffic reports.

Mr. Kurth, in charge of the code class had nothing to report.

The Vice President read a letter from the supervisor of radio announcing the date of the next examination for operators licenses.

The Vice President read a letter from ARRL headquarters asking the club some questions regarding its members and also some information about the stations of the members.

Mr. Catel reported that he had some more prizes for the QSO party.

Mr. Snead exhibited two Western Electric photoelectric cells and explained some of their characteristics.

Mr. Guthrie an old member of the Club was present and said a few words.

Mr. Turner explained a key click eliminator that he was using.

Mr. Seibel reported that he was building a new transmitter and that the details at present were secret. However he mentioned that the aluminum for its construction had cost him \$27.00.

There being no further business the meeting was adjourned at 9:25 PM.

Respectfully Submitted

E. Woodward

Secretary

Treasurers Report.

Balance brought forward \$33.55

Receipts 5.00

No disbursements

Balance on hand \$38.55

Fund for QSO party \$4.00

Minutes of the Regular Meeting of April 2nd, 1951.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read by the Secretary and corrected by Mr. Snead.

Mr. Seibel had nothing to report.

Mr. Crapo had nothing to report.

Mr. Kurth read a letter about the growing strength of the phone element in amateur work.

Mr. Ward gave a short talk on antennas.

Mr. Kurth made a motion that some new dry cells be bought for the code class.

Mr. Catel seconded the motion.

Mr. Snead announced that the University of Wisconsin Extension would hold an open house on April 3rd and 4th.

A discussion on phone then took place.

Mr. Barnes told about his visit to Chicago and explained some of the points of interest of The National Broadcasting Company Studio and the Chicago Police Radio System.

There being no further business the meeting was adjourned at 9:30 PM.

Respectfully Submitted

E. Woodward

Secretary.

Treasurers report.

Balance brought forward \$38.55

No receipts

No disbursements

Balance on hand \$38.55

Fund for QSO party \$4.00

Minutes of the Regular Meeting of April 9th, 1931.

The meeting was called to order by Vice President Zander in the absence of President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

Mr. Seibel had nothing to report.

Mr. Catel reported that he had some more prizes for the QSO party.

Mr. Kurth told about his visit to the University of Wisconsin Extension during their open house period.

Mr. Behrens an old member of the Club was present and said a few words.

A discussion took place on interference caused by one of the local amateurs. It was suggested that his flagrant violations be reported to the Radio Inspector.

Mr. Barnes reported on some special receiving tubes that were made especially for the police department.

It has been reported that Mr. Seibels' transmitter will have the usual amount of bugs in it.

There being no further business, Mr. Topolinski the official adjourner made a motion for adjournment.

Mr. Catel seconded the motion.

The meeting was adjourned at 9:20 PM.

Respectfully submitted

E. Woodward

Secretary.

Treasurers report.

Balance brought forward \$38.55

No receipts

No disbursements

Balance on hand \$38.55

Fund for QSO party \$34.00

Minutes of the Regular Meeting of April 16th, 1931.

The meeting was called to order by President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

Mr. Seibel Chairman Of The Publicity Committee had nothing to report.

Mr. Crapo chairman of the program committee asked for the traffic reports.

Mr. Crapo then took the votes of the members regarding the questionnaire sent to all league men in the central division by Mr. Windom, the director.

There being no further business the meeting was adjourned at 9:20 PM.

Respectfully submitted

E. Woodward

Secretary.

Treasurers report

Balance brought forward \$38.55

No receipts

Disbursements 1.62

Balance on hand \$36.93

Fund for QSO party \$82.00

Minutes of the BD meeting of April 16th, 1931.

The meeting was called to order by the chairman Mr. Wollaeger.
The office of Mr. Tesch's alternate directorship was declared vacant.

Mr. Topolinski was voted as alternate director in the place of Mr. Tesch.

Mr. Barnes was appointed to collect tickets at the QSO party.

Mr. Woodward was appointed to sell tickets at the QSO party.

A ticket for the QSO party was donated to a member of the club for the services rendered during the last year.

The Secretary was instructed to give Mr. Seibel the sum of thirty dollars (\$30.00) for sundry expenses of the QSO party.

There being no further business the meeting was adjourned at 10:00 PM.

Respectfully submitted

E. Woodward,

Secretary.

Minutes Of The Regular Meeting Of April 23rd, 1931.

The meeting was called to order by Vice President Zander in the absence of President Wollaeger.

The roll was called by the Secretary.

The minutes of the previous meeting were read and approved.

The Vice President read a letter from Mr. Hayes, the supervisor of radio, explaining his inability to attend the QSO party.

The Vice President read a communication from ARRL headquarters.

A crystal holder was exhibited which was to be given away as a prize at the QSO party.

Mr. Catel, Chairman of The Prize Committee, told of the prizes that were to be given away at the QSO party.

Mr. Catel made a complaint that some member of the Club had stolen an insulator from his car while it was parked in front of the Library.

The party who took the insulator evidently had a guilty conscience because Mr. Barnes reported that someone had slipped the insulator into his pocket while he was unawares.

Mr. Crapo, Chairman of The Program Committee For The QSO Party, made inquiries about the singers for entertainment.

Mr. Reinke W9ESO was present and said a few words about his phone work.

There being no further business the meeting was adjourned at 9:20 PM.

Respectfully submitted

E. Woodward.

Secretary.

Treasurers report.

Balance brought forward	\$36.93
Receipts	3.00
No disbursements	
Balance on hand	\$39.93

The Milwaukee Radio Amateurs Club Inc.
Minutes of the regular meeting of April 30 1931.

The meeting was called to order by Gus Wallinger.
The roll was called by the secretary.

The minutes of the previous meeting were read and approved.

The secretary read the financial report of the QSO Party.

A motion was made and seconded to transfer the proceeds of the QSO party over to the treasury.

Mr. Crapo thanked the committee members for the co-operation rendered for the QSO party.

Mr. Crapo read the traffic reports.

Mr. Runkle W9ESO thanked the club for the clock which he won at the QSO party.

Mr. Tschalski thanked the club for the socket which he received.

Mr. Crapo asked for a report from the judges of the screen grid tube contest.

Mr. Wallinger gave a very interesting talk on amplifiers.

There being no further business the meeting was adjourned at 11:00 P.M.

E. Woodward
secretary

(over)

Treasurers report.

Balance brot forward \$ 31.13

Receipts 5.40

No disbursements

Balance on hand 45.33

MILWAUKEE RADIO AMATEURS' CLUB INC.

Meeting of May 6th 1931.

The meeting was called to order by the President Mr. Woelleger and Mr Catel was appointed secretary pro temp. due to the absence of the secretary, the roll call was dispensed with.

No old or new business was brought up by any of the members. Mr. Crapo told of his visit to the Appleton Radio Amateur Club and explained a talk on radio frequency chokes given at the meeting at Appleton by Lloyd Root W9RHD, Mr. Kurth, who was along on the trip also gave details on this talk. A general discussion on chokes, tuned and untuned then followed, 9NY explaining why tuned chokes should not be used and Mr. Crapo stood up for tuned chokes. Mr. Woelleger advocated resistances in place of chokes, claiming that they would serve the purpose as well as wire wound chokes. The discussion lasted for quite some time, and will probably be the subject of discussion in many future meetings.

W9FG a visitor from St. Louis was introduced. He wanted some one to keep a schedule with Philadelphia to get the results of auto races, in which a Milwaukee driver was entered. Several of the members volunteered to try and arrange a schedule.

There being no further business the meeting adjourned at 9:30 P.M.

Fred Catel,
Sec. Pro Temp.

Minutes of May 14 1931

The meeting was called to order by pres. Wallager.

The roll was called by the Sec.

The minutes of previous 2 meetings were read and approved.

Mr. Ward chairman of the papers and publication committee gave a talk on the Stenode Radiostat.

Mr. Rinke W9ESO gave a small explanation of the theory of the operation of the Stenode Radiostat principle.

Mr. Rinke reported on an official broadcast from ARRL headquarters, stating that the ARRL was recommending to the FRC that more territory be allocated to amateur forces.

A discussion took place on the forthcoming club picnic and it was decided to hold it August 2nd

The Sec was instructed to write to proprietor of Hasslingers resort at Moose Lake Washota for reservations for picnic.

There being no further business the meeting was adjourned at 9:30 P.M.

E. Woodward

Secretary

BD meeting of May 14, 1931.

The meeting was called to order by Mr. Wallaeger the Chairman.

Mr. Woodward resigned as secretary and Mr. Waring was appointed in his place. Mr. Waring accepted the appointment.

E. Woodward
Secretary.

Minutes of regular meeting of May 21, 1931.

The meeting was called to order by President Wollaeger.

The minutes of the previous meeting were read and approved. The treasurer's report showed a balance on hand of \$49.33. The secretary reported that he had opened a savings account in the name of the Club at the First Wisconsin National Bank, Ninth Ward Branch.

President Wollaeger announced that Mr. Woodward had received changes in duties and hours which necessitated his resignation from the office of Secretary. The Board of Direction had appointed H.F. Wareing to be his successor for the balance of the year.

Five applications for membership were received and acted upon favorably by the membership. The new members are:

Herbert Reinke,	W9ESO,	Regular,	2528 W. Lincoln Av.
John Scarvaci,	W9GIL,	"	1902 N. Palmer St.
Charles Meyer,	W9GVL,	"	2607 N. 9th. St.
Henry Barnes,	W9FSV,	"	2841 N. Murray Av.
Aldrich Krones,	W9ELD,	"	

Mr. Crapo had no report as Chairman of the Traffic Committee.

Mr. Seibel had no report as Chairman of the Publicity Committee.

Mr. Crapo was called on for the judges decision on the Tube Contest. As both of the other judges were present for the first time in many weeks, there was no plausible excuse for further delay. After Messrs. Barnes and Krones had conferred with the Chief Judge, Mr. Crapo announced that Mr. Catel had won the 250 watt screen grid transmitting tube given to the club in December 1929 by Mr. Wareing for the Universal Wireless Communication Company. Mr. Catel responded by thanking the donors and the club for the prize; modestly remarking that it was a walkaway because he had been offered no competition.

Mr. Snead mentioned the dates of the I.R.E. convention - June 4, 5 and 6 in Chicago, and suggested that all members who could be in Chicago at the time attend the technical sessions.

The Secretary reminded members in arrears that dues would be accepted.

Mr. Catel gave some data regarding the newly designed automobile receiving tubes 236, 237 and 238. He hotly accused some of the members of being "lower than a whales belly at the bottom of the ocean" because the radio receiver in his car did not function after Club meetings.

Mr. Meyer asked for information on a new type of mercury vapor rectifier tube recently announced. Mr. Reinke said that Cutler-Hammer had been experimenting with a similar tube for some time.

Mr. Tucholski wanted to know if any member had a B eliminator for sale.

Mr. Reinke talked on a system of suppressed carrier phone transmission. This particular method used a 210 tube as a controlled grid leak for the crystal oscillator. Mr. Wareing discussed the arrangement, pointing out some of the disadvantages of the scheme. Messrs Wollaeger, Krones, Zander and Meyer also discussed various forms of phone transmission.

It was decided that the last meeting of the season would be on June 11th.

The Secretary asked for corrected addresses of all members, so that they may be reminded of the basket picnic and the opening meeting of the next season.

The meeting was adjourned a few minutes prior to 10 P.M.

Treasurers report.

Balance on hand May 20,	\$ 49.33
Initiation fees and dues collected May 21 ...	6.00
Balance on hand May 27	55.33

Respectfully submitted:

H. F. Wareing
H. F. Wareing,
Secretary.

Milwaukee Radio Amateurs' Club, Inc.

Minutes of regular meeting of May 28, 1931.

The meeting was called to order by Pres. Wollaeger, at about 8:15 P.M.

Only eleven members of the club were present, perhaps due to the extreme heat of the day.

The minutes of the previous meeting, and the treasurers report were read and approved.

Mr. Catel, in an effort to stimulate some discussion, asked for a circuit diagram for his new 250 watt screen grid power tube. Mr. Wareing obliged, showing why a tetrode was not capable of the same output as a triode of the same plate dissipation.

The meeting adjourned at about 9:15 P.M. in favor of a ham fest.

Treasurers Report.

Balance on hand May 27,	\$	55.33
Initiation fees and dues collected May 28,		1.75
Balance on hand June 3,		57.08

Respectfully submitted:

H. F. Wareing, *A. F. Wareing*
Secretary.

Milwaukee Radio Amateurs8 Club, Inc.

Minutes of Regular meeting of June 4th., 1931.

The meeting was called to order by Pres. Wollaeger at 8:40 P.M.

There was no old business. Mr. Crapo reported on Traffic.

Mr. Seibel described some features of his new transmitter.

It was reported that Universal Wireless/ was going to hold a sale in the near future.

Mr. Seibel was given his weekly razzing, after which the meeting was adjourned by Mr. Topolinski.

Respectfully submitted:

Chas. O. Meyer,
Sec. Pro. Tem.

Minutes of Regular meeting of June 11, 1931.

This meeting was not called to order by the President, because only 10 members and 1 visitor were present.

Chas, O Meyer, W9GVL, was appointed Committee Chairman for the Annual Basket Picnic to be held at Moose Lake on August 2nd.

Respectfully submitted:

H.F. Wareing,
Secretary.

Treasurers Report:

Balance on hand June 10th.\$57.08

Milwaukee Radio Amateurs' Club, Inc.

Minutes of special meeting of August 24, 1931.

This meeting was called for the purpose of hearing A.A. Hebert, Field Man of the A.R.R.L., who was passing through Milwaukee on that date.

The meeting was called to order by President Wollaeger at about 8:30 P.M. Twenty one members and visitors were present.

Mr. Hebert is one of the Club's honorary members, and is proud of it.

His talk concerned amateur regulation, with particular reference to the International conference which will be held in Madrid next year, and the meeting of the C.C.I.R. held in Copenhagen this year. The International conference is held every five years, and is for the purpose of making changes in the International Radio regulations and laws. The C.C.I.R. meets every second year, and its purpose is to act in an advisory capacity to the various governments represented regarding the technical progress made during the last period.

The A.R.R.L. is represented at the C.C.I.R. conferences by its Secretary, K.B. Warner, who acts as one of the Technical Advisors to the delegate from the United States.

According to the London Convention of 1912, the amateurs had all frequencies above 1500 kc. However, the amateurs were not recognized by practically all foreign governments. The International Convention of 1927 recognized the amateur as one of the radio services for the first time, only after a long fight by the United States delegation. If it had not been for the hard fight put up by the A.R.R.L. at that time, amateur radio would have been entirely wiped out at that conference.

Mr. Hebert stated that the A.R.R.L. demanded more amateur frequencies for the 1932 conference, but ~~was~~ turned down by U.S. Govt. and commercial companies. The U.S. already has 60% of all high frequency assignments. The U.S. proposal for the next conference will ask no additional amateur frequencies, but will tolerate no cuts.

The U.S. permits its amateurs full privileges under the International Radio Convention. Most other nations restrict their amateurs as to frequency and power and operating practices.

Mr. Hebert pointed out that the biggest need of amateur radio is for all amateurs to stick together for the very life of the game, instead of quarrelling among themselves. He stated that while the Central Division has by far the largest number of amateurs, more cooperation is found in this Division than in any other.

A ~~XXXXXXXXXX~~ message from President Hiram Percy Maxim was read, which stated that these were the most trying years in the game, and in which he asked that all members place full trust and

confidence in the officers of the League. He stated that the League, which represents amateur radio in this country, is treated with consideration by everybody except its own members.

Mr. Catel reminded Mr. Hebert that the Club was promised representation from Headquarters at our QSO parties, etc., but that it had not been forthcoming. Mr. Hebert explained that there were too many requests for Headquarters representatives these days, and that the Board of Direction had voted down expenditures for such speakers except at formal Division conventions. He suggested that the next QSO Party be called a Central Division Convention, so that a speaker from Headquarters may attend. He pointed out that several conventions may be held in the same division each year.

Mr. Catel pointed out that it has been four years since Mr. Hebert visited us last, and suggested that he get around more often.

Respectfully submitted:

H. F. Wareing, Secretary.

Treasurers Report:

Balance on hand June 10.	\$57.08
Receipts June 11 meeting	\$ 1.00
Balance on hand June 12	\$58.08
July 16, disb. for picnic	\$ 4.50
Aug. 2nd., disb. for picnic	\$49.15
Aug. 15, disb. for special meeting	\$ 1.50
Sept. 10, disb. for first meeting	\$ 1.50
Sept. 16, balance on hand	\$ 1.43

END